INDEX OF SHEETS

# ROADWAY DESIGN ENGINEER CARO Docusigned by: 387 SEARC3496. 18903

SHEET NO.

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

2012 ROADWAY ENGLISH STANDARD DRAWINGS

866.01 Chain Link Fence - 4', 5' and 6' High Fence

876.02 Guide for Rip Rap at Pipe Outlets

	INDEX OF SHEETS	2012 ROADWAY ENGLISH STANDARD DRAWINGS
SHEET NUMBER	SHEET	The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch – N. C. Department of Transportation – Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:
1	TITLE SHEET	
1 A	INDEX OF SHEETS. GENERAL NOTES AND LIST OF STANDARD DRAWINGS	
1B	CONVENTIONAL SYMBOLS	STD.NO. TITLE
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2B-1 THRU 2B-2	TEMPORARY DETOUR DETAILS	225.04 Method of Obtaining Superelevation - Two Lane Pavement
2B-3	INTERSECTION AND CHANNELIZATION DETAIL SHEET	225.05 Method of Obtaining Superelevation - Divided Highways
2C-1	DETAIL OF CONVERTING TB DI TO CATCH BASIN	DIVISION 3 - PIPE CULVERTS
2C-2	DETAIL OF TEMPORARY STEEL PLATES	300.01 Method of Pipe Installation
2C-3	DETAIL OF STRUCTURE ANCHOR UNITS	DIVISION 4 - MAJOR STRUCTURES
2C-4	DETAIL OF ASPHALT CURB	422.10 Reinforced Bridge Approach Fills
2C-5	DETAIL OF TEMPORARY ANCHOR UNIT TYPE W-BEAM	
	DETAIL OF PEDESTRIAN SAFETY RAIL	DIVISION 5 - SUBGRADE, BASES AND SHOULDERS 560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I
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20-7	DETAIL OF DIRECTIONAL CURB RAMP	DIVISION 6 - ASPHALT BASES AND PAVEMENTS
2C-8	DETAIL OF CHAIN LINK FENCE WITH BARBED WIRE	654.01 Pavement Repairs
2G-1 THRU 2G-3	STANDARD TEMPORARY WALL DETAILS	DIVISION 8 - INCIDENTALS
2G-4	STANDARD TEMPORARY SHORING DETAIL	815.03 Pipe Underdrain and Blind Drain
2G-5 THRU 2G-6	DETAIL OF TEMPORARY RETAINING WALL ENVELOPES	840.00 Concrete Base Pad for Drainage Structures  840.01 Brick Catch Basin – 12" thru 54" Pipe
2H-1	STOCKPILE CONTAINMENT DETAIL	840.02 Concrete Catch Basin – 12" thru 54" Pipe
3B-1	SUMMARY OF EARTHWORK, SUMMARY OF REMOVAL AND BREAKING OF EXISTING PAVEMENT AND FENCE SUMMARY	840.03 Frame, Grates and Hood – for Use on Standard Catch Basin
3B-2	GUARDRAIL SUMMARY	840.14 Concrete Drop Inlet - 12" thru 30" Pipe
3D-1 THRU 3D-2	SUMMARY OF DRAINAGE QUANTITIES	840.15 Brick Drop Inlet – 12" thru 30" Pipe
3G-1	SUMMARY OF GEOTECHNICAL QUANTITIES	840.16 Drop Inlet Frame and Grates – for use with Std. Dwg 840.14 and 840.15
3P-1	PARCEL INDEX SHEET	840.29 Frames and Narrow Slot Flat Grates
		840.31 Concrete Junction Box - 12" thru 66" Pipe
4 THRU 7	PLAN SHEETS	840.32 Brick Junction Box – 12" thru 66" Pipe 840.34 Traffic Bearing Junction Box – for Use with Pipes 42" and Under
8 THRU 9	PROFILE SHEETS	840.35 Traffic Bearing Grated Drop Inlet – for Cast Iron Double Frame and Grates
TMP-1 THRU TMP-28	TRAFFIC MANGEMENT PLANS	840.45 Precast Drainage Structure
PMP-1 THRU PMP-4	PAVEMENT MARKING PLANS	840.46 Traffic Bearing Precast Drainage Structure
EC-1 THRU EC-9	EROSION CONTROL PLANS	840.54 Manhole Frame and Cover
SIGN-1 THRU SIGN-5	SIGNING PLANS	840.66 Drainage Structure Steps
SIG-1.0 THRU SIG-11.1	SIGNAL PLANS	840.71 Concrete and Brick Pipe Plug
UC-1 THRU UC-5	UTILITY CONSTRUCTION PLANS	840.72 Pipe Collar
UO-1 THRU UO-3	UTILITIES BY OTHERS PLANS	846.01 Concrete Curb, Gutter and Curb & Gutter
X-1 A	CROSS-SECTION SUMMARY SHEETS	848.01 Concrete Sidewalk
X-1 THRU X-23	CROSS-SECTIONS	848.04 Street Turnout  848.05 Curb Ramp – Proposed Curb & Gutter
S-1 THRU S-72	STRUCTURE PLANS	852.01 Concrete Islands
W-1 THRU W-13	RETAINING WALL PLANS	852.04 Method for Placement of Drop Inlets in Grassed Median – Using 1'-6" Curb and Gutter
# 13		852.05 Median Curb for Catch Basin – for Use with 1'–6" Curb and Gutter
		852.06 Method for Placement of Drop Inlets in Concrete Islands
		862.01 Guardrail Placement
		862.02 Guardrail Installation

GENERAL NOTES: 2012 SPECIFICATIONS

EFFECTIVE: 01-17-12
REVISED: 07/30/12

#### GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN. THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

#### FARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

#### SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD.

NO. 225.04 & 225.05 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS.

SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL

SECTIONS

#### SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01. SIDE OF

#### SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

# UNDERDRAINS:

UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.03 AT LOCATIONS DIRECTED BY THE ENGINEER.

### STREET TURNOUT

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

# GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

# TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

# SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

# END BENTS:

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

# UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE: City of Concord, Windstream,

Duke Net, TIME Warner, NCDOT (Communication ITS).

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

# RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

# CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.

CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.05 AND/OR 848.06.